

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 February 2003 (27.02.2003)

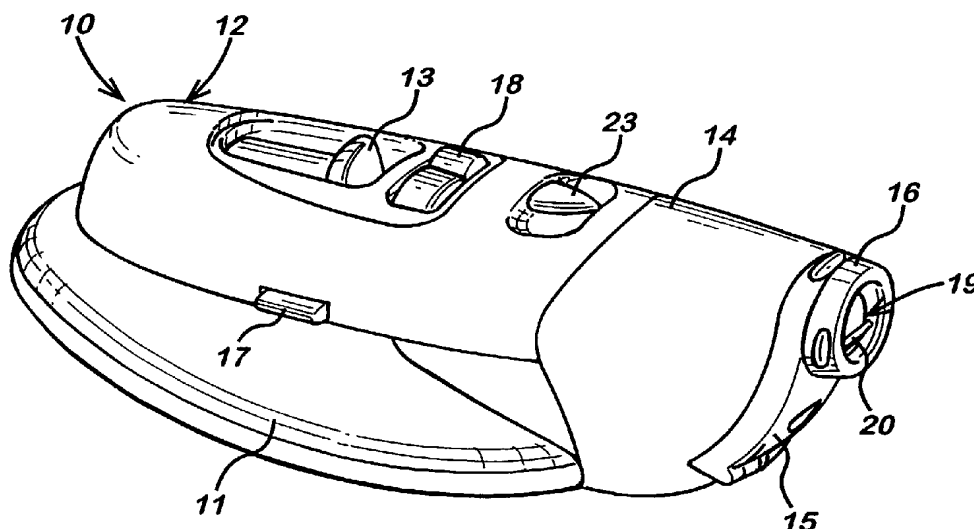
PCT

(10) International Publication Number
WO 03/015627 A3

- (51) International Patent Classification⁷: **A61B 5/15**, 5/00 (74) Agents: **MERCER, Christopher, Paul** et al.; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).
- (21) International Application Number: PCT/GB02/03772
- (22) International Filing Date: 16 August 2002 (16.08.2002) (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/313,059 16 August 2001 (16.08.2001) US
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- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: IN-SITU ADAPTER FOR AN ANALYTE TESTING DEVICE



(57) Abstract: An adapter for a standard glucose meter to convert the glucose meter into an integrated testing device is provided. The adapter comprises lancing device, a test strip port for holding a test strip in close proximity to a puncture site, a strip connector for providing an electrical connection between the test strip and the electronics in the glucose meter and a connector for connecting the adapter to the glucose meter. The adapter further includes an adapter cap, including a pressure ring for facilitating the expression of blood from a puncture site. The adapter includes a cocking mechanism for cocking the lancing device, a depth control mechanism for varying the penetration depth of the lancet and a trigger for actuating the lancet.



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(88) Date of publication of the international search report:
22 May 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

PCT/GB 02/03772

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61B5/15 A61B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 871 494 A (FREEMAN DOMINIQUE ET AL) 16 February 1999 (1999-02-16) column 11, line 16 -column 13, line 32; figures ---	1-3,5-7, 13,24,27
A	WO 97 42882 A (MERCURY DIAGNOSTICS INC) 20 November 1997 (1997-11-20)	1-6
X	page 10, line 4 -page 12, line 25 ---	24,27
A	WO 99 27854 A (SCHABBACH MICHAEL ;KINTZIG HANS (DE); MILTNER KARL (DE); MURAWSKI) 10 June 1999 (1999-06-10) the whole document ---	1,24,27
A	DE 42 34 553 A (FRESE VOLKER ;FRESE GOEDDEKE BEATE (DE)) 22 April 1993 (1993-04-22) the whole document ---	1,4-6, 24,27
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

11 February 2003

Date of mailing of the international search report

18/02/2003

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 28423 A (FLYNN STEPHEN J ;KENNEDY GWENN E (US); GAINOR MEDICAL NORTH AMERIC) 26 April 2001 (2001-04-26) page 10, line 13 -page 15, line 13 -----	5-8,14, 17,20
A	US 4 895 147 A (BODICKY RAYMOND O ET AL) 23 January 1990 (1990-01-23) column 4, line 42 -column 5, line 24 -----	5-8,14

INTERNATIONAL SEARCH REPORT

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 28
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT – Diagnostic method practised on the human or animal body
using a surgical step by puncturing the skin
2. ☒ Claims Nos.: 25, 26
because they relate to parts of the International Application that do not comply with the prescribed requirements to such
an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all
searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report
covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-13,24,27

An adapter for connecting a lancet device with a testing device

2. Claims: 14-23

A depth adjustment mechanism for a lancet device

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 25,26

Claims 25 and 26 relate and define their subject-matter in relation to a testing device, i.e. "a housing surface adapted to..." and "a projection configured for...". A testing device, however, is not a well defined and standardized object and, therefore, the features of a connector relating to such a device are not clearly defined, contrary to Article 6 PCT.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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